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### [PDF] Caching technologies for web applications

C Mohan · Proceedings of the 27th International Conference on ..., 2001 - Citeseer  
... push vs. pull, freshness maintenance, **triggers**, log sniffing Enabling **cache** exploitation: routing, failover, accounting, ... product gif url content **update** rate continuous ... uncached cached "When part of a page is too volatile to **cache**, the rest of the page can still be cached." legend: ...  
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### WebCQ-detecting and delivering information changes on the web

L Liu, C Pu, W Tang · ... of the ninth international conference on ..., 2000 - portal.acm.org  
... Remote page fetch **Webpage** ... Target <http://www.imdb.com> Sentinel Object "IMDB Movie of the Day."?more.\*?) **Trigger** Condition 1 ... Object **Cache Update** ; When the dierence between twocopies oftheobjectis found, and itmatches thespesied sentinel condition, then both the old ...  
Cited by 110 · Related articles · All 17 versions

### [PS] Shift it to the Server!-Let the Database Server **Update** Your Web Sites

H Loeser · Web Information Systems Engineering, 2000 - [www.wis.informatik.uni-kl.de](http://www.wis.informatik.uni-kl.de)  
... FTP remote **update** network file system ... a detailed error report, the WIS administrator is able to track the problem down and, then, to manually **trigger** the document ... In the approach presented in [1], a **cache** for dynamically generated documents is used to shorten re- sponse times ...  
Cited by 3 · Related articles · View as HTML · All 7 versions

### [CITATION] A publishing system for efficiently creating dynamic web content

J Challenger, A Iyengar, K Witing, C Ferstat, P Reed · IEEE INFOCOM 2000. ..., 2000  
Cited by 144 · Related articles · BL Direct · All 15 versions

### Method and apparatus for web **cache** using database **triggers**

K Papanyan, K Maranian, HH Ng · US Patent App. 10/601,353, 2003 - Google Patents  
... have two fields that **trigger** an **update**, as illustrated by Field 1 and Field 4, while Table 4 may have a single field that **triggers** an **update** as illustrated ... In step 316 the dirty flag "F" is cleared and the **web page** is cached in the **webpage cache** 107 and is sent to the client in step ...

### Representative Image

K Papanyan, K Maranian, HH Ng · [freepatentsonline.com](http://freepatentsonline.com)  
... have two fields that **trigger** an **update**, as illustrated by Field 1 and Field 4, while Table 4 may have a single field that **triggers** an **update** as illustrated ... In step 316 the dirty flag "F" is cleared and the **web page** is cached in the **webpage cache** 107 and is sent to the client in step ...  
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### System and method for prefetching web resources based on proxy **triggers**

MP Carlson, S Chowdhury · US Patent App. 10/756,133, 2004 - Google Patents  
... Finally, a need exists for a prefetch mecha- nism that **update webpages** that are altered by programs ... As used herein, the term "access based **trigger**" shall mean a prefetch **trigger**, activated by ... the user's computer and a web server and that stores **webpages** in **cache** memory for ...

## Enabling a PC-DTV receiver to share the resource **cache** with multiple clients

RL Spencer - US Patent App. 09/870,100, 2001 - Google Patents

... a variety of enhanced television resources such as ATVEF **triggers** to **update** information displayed ...

Enhanced broadcasts may use **triggers** and scripts to change the banners on web pages to tie ...

Web browser **cache** 104 provides the stored data 170 to the computer display 103 ...

[All 4 versions](#)

## Dynamic **web page cache**

V Singhat, I Emmons, R Jensen - US Patent 7,096,418, 2006 - Google Patents

... Script-Based Event Generator 806^ 808^ Relational Database 824^ **Trigger**-Based Event ... Receive

Event Message 1012^ Search Dynamic Pages 1014 1016^ **Update Cache** Memory QEndJ ... US

7,096,418 B1 DYNAMIC **WEB PAGE CACHE** This application claims priority to co ...

[All 2 versions](#)

## Web service decomposition: Edge computing architecture for **cache**-friendly e-commerce applications

J Tatemura, WP Hsiung - Electronic Commerce Research and ..., 2006 - Elsevier

... Alternatively, when object data is stored in a database, **triggers** on tables can be ... manage data

dependency between web content and data source in order to maintain web **caching**. Data **update**

propagation (DUP) [3] maintains data dependency between cached objects and the ...

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## Engineering highly accessed Web sites for performance

J Challenger, A Iyengar, P Dantzig, D Dias, N Mills - Web Engineering, 2001 - Springer

... be configured to bypass the **cache** for the fetch, but to add/replace the item in the **cache** when

it ... The database loader is modified so that after committing the actual transaction updates, a single

**update** to the commit ... The database **trigger** is now attached only to the commit table. ...

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## [PDF] **Cache** portal: technology for accelerating database-driven E-commerce web sites

WS Li, KS Candan, WP Hsiung, O Po, D Agrawal, Q ... - Proc. Of VLDB, 2001 - vldb.org

... with most existing work, where the invalidation checking is implemented using database **trigger**

functions, the ... 2. We also demonstrate invalidation of affected pages (if any) after an **update** query

is ... 3. In the figure, we see that the system architectures with various **cache** hit rates ...

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## [PDF] Using code transformation for consistent and transparent **caching** of dynamic web content

S Bouchenak, S Mittal, W Zwaenepoel, S EPFL - 2003 - Citeseer

... Periodically, they read the database **update** log and perform invalidations according to the

association between ... write queries and cached web pages [6]. The occurrence of said events

**triggers** invalidations. ... is to use both a dynamic **web page** and a database query result **cache**. ...

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## [PDF] Web Acceleration for Electronic Commerce Applications

WS Li, KS Candan, WP Hsiung, D Agrawal, Q Luo, W ... - WWW Posters, 2001 - www10.org

... with existing work where the invalidation checking is implemented using database **trigger**

functions, invalidator ... server and Web servers, and a modified Apache Web server as the **cache**

server ... The **update** rate is 1 per second and each dynamic content page request results in a ...

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## Evaluations of architectural designs and implementation for database-driven web sites

WS Li, WP Hsiung, O Po, KS Candan, D ... - Data & Knowledge ..., 2002 - Elsevier

... the performance metrics of database **update**, query, and synchronization; (2) **trigger** overhead;

and ... on their performance under various conditions, including varying request rates,

**update**-to-request ratio, **cache** hit ratio, number of regional AS/data **cache** suites deployed ...

Cited by 10 - Related articles - All 4 versions

### [CITATION] Update of materialized WebView

B Zhang, Z Sun, W Jin - IEEE International Conference on e-Business ..., 2005

Cited by 1 - Related articles - All 2 versions

### Batching of invalidations and new values in a web cache with dynamic content

GP Copeland, MH Conner, GA Flurry - US Patent App. 09/740,459, 2000 - Google Patents

... returned to the shopper, it is more efficient to **cache** the JSP than to retrieve the same data each time the cart is displayed. [0022] An advertisement appearing on the **web page** displays a URL, which changes each time the page is requested. This is too high an **update** rate to ...

All 2 versions

### [CITATION] Caching personalized and database-related dynamic Web pages

YK Chang, YR Lin, YW Ting - Networking, Architecture, and Storages, 2006. IWNAS' ..., 2006

Related articles - All 8 versions

### Web caching for database applications with Oracle Web Cache

J Anton, L Jacobs, X Liu, J Parker, Z Zeng, ... - Proceedings of the ..., 2002 - portal.acm.org

... the fragment to be shared with other pages, and reduce the fragment's **update** frequency. ... The application with JESI and **Web Cache** needs less than 22 minutes of CPU time in ... on underlying data stored in databases, events external to the Web application can **trigger** changes in ...


Cited by 43 - Related articles - All 6 versions

### Database change notifications: primitives for efficient database query result caching

C Galindo-Legaria, T Grabs, C ... - Proceedings of the 31st ..., 2005 - portal.acm.org

... Operations such as DROP TABLE must **trigger** invalidation of all sub- scriptions that rely on this ... We demonstrate subscrip- tion processing including query and **update** plan rewrit- ing, **caching** query results at ... MT- **Cache**: Transparent Mid-Tier Database **Caching** in SQL Server. ...

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